

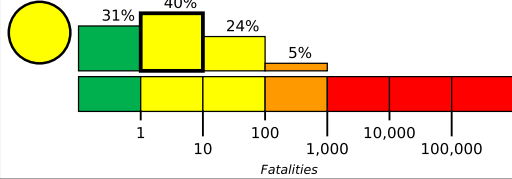
M 5.7, 0 km NE of Marquelia, Mexico

Origin Time: 2021-03-20 03:06:32 UTC (Fri 21:06:32 local)

Location: 16.5866° N 98.8134° W Depth: 20.5 km

Created: 3 weeks, 6 days after earthquake

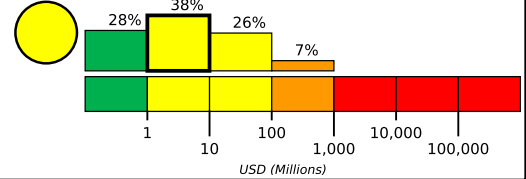
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Mexico.

Estimated Economic Losses

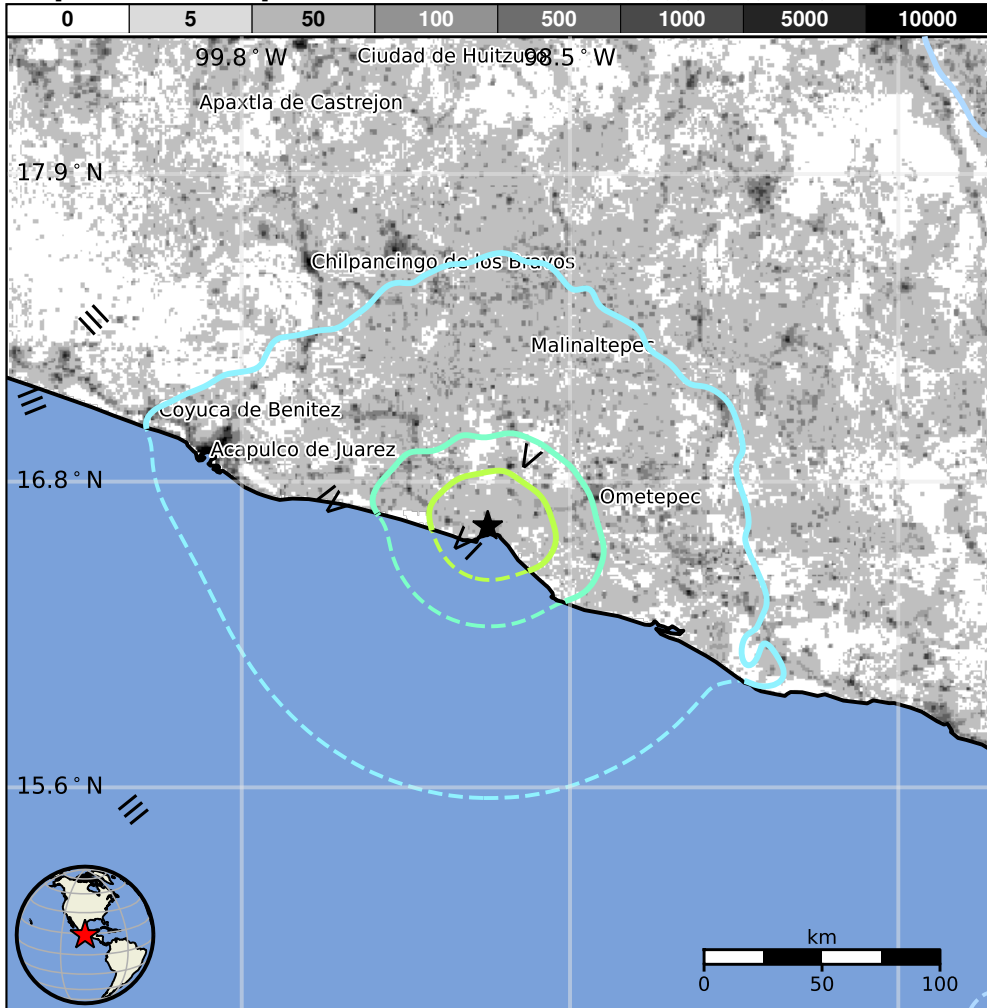


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,635k*	1,995k	153k	76k	7k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-06-15	244	6.9	VII(178k)	16
1979-03-14	287	7.4	VIII(104k)	5
1973-08-28	297	7.2	VII(847k)	600

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	El Polvorin	1k
VII	Marquelia	7k
VI	Barra de Tecoanapa	4k
VI	Copala	7k
VI	Jolotichan	2k
VI	San Luis Acatlan	8k
IV	Acapulco de Juarez	652k
IV	Tlapa de Comonfort	37k
III	Chilpancingo	165k
III	Ciudad de Huajuapán de León	48k
III	Iguala de la Independencia	112k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000dl4v#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000dl4v